

USSN: 09/770,960

Atty. Docket No.: 10247

Response dated April 8, 2005

Reply to Final Office Action of February 8, 2005

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (previously presented): A thermoplastic label for use with a cold glue adhesive, comprising:
 - a. a first skin layer comprising polypropylene or polyethylene and a first cavitating agent, wherein the first skin layer has a first side and a second side, and the first skin layer is cavitated;
 - b. a cold glue adhesive on the first side of the first skin layer;
 - c. a first tie layer comprising polypropylene or polyethylene and a second cavitating agent, wherein the first tie layer has a first side and a second side, the first tie layer is cavitated, and the first side of the first tie layer is adjacent to the second side of the first skin layer;
 - d. a core layer comprising polypropylene or polyethylene and a third cavitating agent, wherein the core layer has a first side and a second side, the core layer is cavitated, and the first side of the core layer is adjacent to the second side of the first tie layer; and
 - e. a second skin layer comprising a polyolefin, wherein the second skin layer has a first side and a second side, the second skin layer is not cavitated, and the second skin layer is on the second side of the core layer.
2. (previously presented): The thermoplastic label of claim 1, wherein the first skin layer comprises polypropylene and the first skin layer has a thickness of at least about 0.3 mil.
3. (previously presented): The thermoplastic label of claim 1, wherein the first skin layer comprises polyethylene.

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4. (previously presented): The thermoplastic label of claim 2, wherein the core layer comprises polypropylene.

5. (previously presented): The thermoplastic label of claim 4, wherein the first tie layer comprises polypropylene.

6. (previously presented): The thermoplastic label of claim 5, wherein the first tie layer has a thickness of at least about 0.3 mil.

7. (previously presented): The thermoplastic label of claim 5, wherein the second skin layer comprises polypropylene.

8. (previously presented): The thermoplastic label of claim 1, further comprising:

f. a second tie layer comprising polypropylene or polyethylene, wherein the second tie layer has a first side and a second side, the second tie layer is not cavitated, the first side of the second tie layer is adjacent to the second side of the core layer, and the second side of the second tie layer is adjacent to the first side of the second skin layer.

9. (previously presented): The thermoplastic label of claim 1, further comprising:
a metal layer on the second side of the second skin layer.

10. (previously presented): The thermoplastic label of claim 1, wherein each of the first skin layer, first tie layer, core layer, and second skin layer comprises polyethylene.

11. (previously presented): The thermoplastic label of claim 1, wherein the first skin layer comprises at least about 15% by weight of the thermoplastic label.

12. (previously presented): The thermoplastic label of claim 1, wherein the first, second, and third cavitating agents are independently selected from the group consisting of

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polyamides, polybutylene terephthalate, polyesters, acetals, acrylic resins, nylons, solid preformed glass spheres, hollow preformed glass spheres, metal beads, metal spheres, ceramic spheres, calcium carbonate, cyclic olefin polymers, cyclic olefin copolymers, and mixtures thereof.

13. (previously presented): The thermoplastic label of claim 1, wherein the first cavitating agent comprises calcium carbonate.

14. (previously presented): The thermoplastic label of claim 1, wherein the label has a thickness of from about 3 mils to about 5 mils.

15. (previously presented): The thermoplastic label of claim 1, wherein the label has a thickness of from about 1 mil to about 10 mils.

16. (previously presented): The thermoplastic label of claim 1, wherein the label is biaxially oriented.

17. (previously presented): The thermoplastic label of claim 1, wherein the first cavitating agent comprises at least about 25% by weight of the first skin layer.

18. (previously presented): The thermoplastic label of claim 1, wherein the first cavitating agent comprises at least about 35% by weight of the first skin layer.

19. (previously presented): The thermoplastic label of claim 1, wherein the first cavitating agent comprises at least about 50% by weight of the first skin layer.

20. (previously presented): The thermoplastic label of claim 1, wherein the first skin layer comprises homopolymer polypropylene.

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21. (previously presented): The thermoplastic label of claim 1, wherein the first skin layer comprises homopolymer polypropylene and the first cavitating agent comprises at least about 25% by weight of the first skin layer.

22. (previously presented): The thermoplastic label of claim 8, wherein each of the first skin layer, first tie layer, core layer, second tie layer and second skin layer comprises polypropylene.

23. (previously presented): The thermoplastic label of claim 8, wherein each of the first skin layer, first tie layer, core layer, second tie layer and second skin layer comprises polyethylene.

24-26 (canceled)

27. (previously presented): A container, comprising the thermoplastic label of claim 1 on a surface of the container, such that the label is adhered to the surface of the container by the cold glue adhesive on the first side of the first skin layer.

28. (previously presented): A container, comprising the thermoplastic label of claim 8 on a surface of the container, such that the label is adhered to the surface of the container by the cold glue adhesive on the first side of the first skin layer.

29. (previously presented): A container, comprising the thermoplastic label of claim 22 on a surface of the container, such that the label is adhered to the surface of the container by the cold glue adhesive on the first side of the first skin layer.